

Form PTO-1449
(Rev.9-94)U.S. Department of Commerce
Patent and Trademark OfficeATTY. DOCKET NO.
000687.00148SERIAL NO. Cont. of
09/346,309

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT

David R. Williams, et al.

FILING DATE

July 28, 2000

GROUP

3737

U. S. PATENT DOCUMENTS

*EXAMINER INITIAL	Document Number	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
M	5,062,702	11/5/1991	Bille			
	5,229,889	7/20/1993	Kittell			
	5,233,174	8/3/1993	Zmek			
	5,629,765	5/13/1997	Schmutz			
	5,493,391	2/20/1996	Neal et al.			
	5,847,804	12/8/1998	Sarver et al.			
	5,861,955	1/19/1999	Gordon			
	5,841,511	11/24/1998	D'Souza et al.			
	5,822,035	10/13/1998	Bille			
	5,784,146	7/21/1998	Nanjo et al.			
	5,740,803	4/21/1998	Gray et al.			
	5,735,283	4/7/1998	Snook			
	5,722,427	3/3/1998	Wakil et al.			
	5,632,742	5/24/1997	Frey et al.			
	5,592,246	1/7/1997	Kuhn et al.			
	5,581,347	12/3/1996	Le Saux et al.			
	5,570,142	10/29/1996	Lieberman			
	5,548,354	8/20/1996	Kasahara et al.			
	5,512,966	4/30/1996	Snook			
	5,512,965	4/30/1996	Snook			
	5,502,518	3/26/1996	Lieberman			
	5,491,524	2/13/1996	Hellmuth et al.			
	5,475,452	12/12/1995	Kuhn et al.			
	5,474,548	12/12/1995	Knopp et al.			
	5,473,392	12/5/1995	Klopotek			
	5,452,031	9/19/1995	Ducharme			
	5,442,412	8/15/1995	Frey et al.			
	5,293,871	3/15/1994	Reinstein et al.			
	4,848,340	7/18/1989	Bille et al.			
M	4,764,930	8/16/1988	Bille et al.			

10862 U.S. PTO
09/628690
07/28/00

Form PTO-1449
(Rev.9-94)U.S. Department of Commerce
Patent and Trademark Office

ATTY. DOCKET NO.

000687-00148

SERIAL NO.

09/346,309

Cont. of

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT

David R. Williams, et al.

FILING DATE

July 28, 2000

GROUP

3737

U. S. PATENT DOCUMENTS

*EXAMINER INITIAL	Document Number	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
m	4,721,379	1/26/1988	L'Esperance			
	4,632,528	12/30/1986	Yoshino et al.			
	4,523,821	6/18/1985	Lang et al.			
	5,243,367	9/7/1993	Spellitz et al.			
	5,404,884	4/11/1995	Lempert			
	5,328,791	11/2/1993	Penny et al.			
	5,214,456	5/25/1993	Gersten			
	5,202,709	4/13/1993	Ichihashi et al.			
	5,198,845	3/30/1993	Triller			
	5,184,157	2/2/1993	Ichihashi et al.			
	5,177,511	1/5/1993	Feuerstein et al.			
	5,159,361	10/27/1992	Cambier et al.			
	5,139,022	8/18/1992	Lempert			
	5,114,628	5/19/1992	Höfer et al.			
	4,991,953	2/12/1991	Pflibsen et al.			
	4,881,808	11/21/1989	Bille et al.			
	5,949,521	9/7/1999	Williams et al.			
	5,777,719	7/7/1998	Williams et al.			
m	4,838,679	6/13/1898	Bille			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
m	06327634 A	11/29/1994	Japan			abstract	
	5-146409 A	6/15/1993	Japan				
	WO 95/28989	11/2/1995	PCT				
	WO 92/01417	2/6/1992	PCT				
	WO 87/05205	9/11/1987	PCT			abstract	
	WO 98/27863	7/2/1998	PCT				
	WO 87/05205	9/11/1987	PCT				
m	DE 42 22 395 A 1	1/13/1994	Germany				

Form PTO-1449
(Rev.9-94)U.S. Department of Commerce
Patent and Trademark OfficeATTY. DOCKET NO.
000687. 00148SERIAL NO. Cont. of
09/346,309

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT

David R. Williams, et al.

FILING DATE

July 28, 2000

GROUP

3737

OTHER INFORMATION (including author, title, date, pertinent pages, etc.)

- M* C. Labjuhn, et al., Astigmatismuskorrektur durch Laserthermokeratoplastik (LTK) - Ein Ansatz für die Korrektur des hohen Astigmatismus nach Perforierender keratoplastik, *Contactologia 18 D* (1996), pp. 175-183
- Cohen, Kenneth L. et al., Assessment of the Power and Height of Radial Aspheres Reported by a Computer-assisted Keratoscope, *American Journal of Ophthalmology*, Vol. 119, No.6, 11/30/94, pp. 723-732
- Corbett, Melanie C. et al., The Topography of the Normal Cornea, *Eur J Implant Ref Surg*, Vol. 6, October 1994, pp. 286-297
- Maeder, Anthony J. et al., Accurate 3D corneal surface measurement using an automated mapping approach, March 1995, pp. 328-334
- Salmon, Thomas O. & Horner, Douglas G., Comparison of Elevation, Curvature, and Power Descriptors for Corneal Topographic Mapping, 1995, pp. 800-808
- Pavlopoulos, Georgios P. et al., The Effect of Artificial Tears on Computer-assisted Corneal Topography in Normal Eyes and After Penetrating Keratoplasty, June 1995, pp. 712-722
- Roberts, Cynthia, Characterization of the Inherent Error in a Spherically-Biased Corneal Topography System in Mapping a Radially Aspheric Surface, March/April 1994, pp. 103-111
- Thornton, Spencer P., Clinical evaluation of corneal topography, 1993, pp. 198-202
- Rabinowitz, Yaron S. et al., Computer-Assisted Corneal Topography in Keratoconus, November/December 1989, pp. 400-408
- Wilson, Steven E. et al., Accuracy and Precision of the Corneal Analysis System and the Topographic Modeling System, 1992, pp. 28-35
- Bogan, Stephen, J. et al., Computer-Assisted Videokeratography of Corneal Topography After Radial Keratotomy, June 1991, pp. 834-841
- Bogan, Stephen, J. et al., Classification of Normal Corneal Topography Based on Computer-Assisted Videokeratography, July 1990, pp. 945-949
- Reidy, James J. et al., The Corneal Topography of Epikeratophakia, January/February 1990, pp. 26-31
- Dingeldein, Steven A. et al., The Topography of Normal Corneas, April 1989, pp. 512-518
- Rabinowitz, Yaron S. et al., Computer-Assisted Corneal Topography in Keratoconus, November/December 1989, pp. 400-408
- McDonnell, Peter J. et al., Topographic Analysis and Visual Acuity After Radial Keratotomy, December 1983 pp. 692-695
- McDonnell, Peter J. et al., Corneal Topographic Changes after Radial Keratotomy, January 1989, pp. 45-49
- Kiely, P.M. et al., The mean shape of the human cornea, 1982, pp. 1027-1040
- Bafna, S. et al., Corneal Power Calculated by the Paraxial Formula and Snell's Law in Normal Corneas, February 15, 1996, pp. 2589-B434
- Matalana, M. et al., 3-D Video Corneal Topography True Elevation Mapping, February 15, 1996, pp. 2590-B435
- Aoyama, Y. et al., Quantitative evaluation of corneal astigmatism using computed corneal topography and newly developed software, February 15, 1996, pp. 2591-B436
- M* Gelikkol, G. et al., Neural Network Analysis of Videokeratography Following Excimer Laser Photorefractive Keratectomy, February 15, 1996, pp. 2592-B437

OTHER INFORMATION (including author, title, date, pertinent pages, etc.)

h	Liang et al., Objective measurement of wave aberrations of the human eye with the use of a Hartmann-Shack wave-front sensor, Journal Optical Society of America, July 1994, Vol. 11, No. 7, pp. 1-9
	Walsh et al., Objective technique for the determination of monochromatic aberrations of the human eye, Journal Optical Society of America, September 1984, Vol. 1, No. 9, pp. 987-992
	Williams, D. R., Adaptive Optics for High Resolution Retinal Imaging, Investigative Ophthalmology & Visual Science, p. 1055
	Charman, W.N., Wavefront Aberration of the Eye: A Review, Optometry and Vision Science, American Academy of Optometry, Vol 68, No. 8, opp. 574-583
	Bartsch, et al., Resolution Improvement of Confocal Scanning Laser Tomography of Human Fundus, Retinal Imaging Laboratory, Shiley Eye Center-Department of Ophthalmology, University of California San Diego, pp. 134-137
	Dreher et al., Active optical depth resolution improvement of laser tomographic scanner, Applied Optics, February 15, 1989, Vol. 28, No. 4, pp. 804-808
m	Bille et al., Scanning Laser Tomography of the Living Human Eye, Chapter 28, pp. 528-547

EXAMINER

G. Manuel

DATE CONSIDERED

4/11/01

* Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

Form PTO-1449
(Rev.9-94)U.S. Department of Commerce
Patent and Trademark Office

ATTY. DOCKET NO.

000687.00148

SERIAL NO.

Cont. of S.N. 09/346,309

INFORMATION DISCLOSURE STATEMENT

February 16, 2000

(Use several sheets if necessary)

APPLICANT

David R. WILLIAMS, et al.

July 28, 2000

GROUP

3737

U. S. PATENT DOCUMENTS

*EXAMINER INITIAL	Document Number	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER INFORMATION (including author, title, date, pertinent pages, etc.)

<i>M</i>	"Extensions of Low-Cost Adaptive Optics: Imaging of Space-Objects, the Retina and Power Projection," Industrial Sensors & Actuators, dated December 1993 (actual publication date, if any, unknown), pp. 1, 10 and 15.

DATE CONSIDERED

*G. Manuel**4/11/01*

* Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.